

Tier / Group	Randomly Selected K/A	Reason for Rejection
RO Tier 1 / Group 1	APE 022AK1.04	Loss of Reactor Coolant Makeup Reason for changing from manual to automatic control of charging flow valve controller: PBNP does not have a Charging Flow Valve Controller which has an automatic feature. Reselected 022AK1.03
RO Tier 1 / Group 1	EPE 038EK1.04	Steam Generator Tube Rupture (SGTR): Reflux boiling: Reflux boiling is not used as a mitigation strategy for SGTR at PBNP: Reselected 038EK1.01
RO Tier 1 / Group 1	APE 054K2.*	Loss of Main Feedwater (MFW): No K2.* K/A with an RO Importance Rating ≥ 2.5 : Reselected 054G2.2.36
RO Tier 1 / Group 1	EPE 055EK2.*	Loss of Offsite and Onsite Power (Station Blackout): No K2.* K/A with an RO Importance Rating ≥ 2.5 : Reselected 055G2.4.8
RO Tier 1 / Group 1	W/E04EA2.1	LOCA Outside Containment: Facility conditions and selection of appropriate procedures during abnormal and emergency operations: Determined to be an SRO level question due to selection of procedures while within the EOP network: Reselected W/E04EA2.2
RO Tier 1 / Group 2	APE 059AK1.05	Accidental Liquid Radioactive-Waste Release: The calculation of offsite doses due to a release from the power plant: This is not an RO responsibility/job at PBNP: Reselected 059AK1.01
RO Tier 1 / Group 2	W/E13EA2.1	Steam Generator Overpressure: Facility conditions and selection of appropriate procedures during abnormal and emergency operations: This is not an RO responsibility at PBNP due to being a "Yellow" Critical Safety Function Path: Reselected W/E13EA2.2
RO Tier 2 / Group 1	SYS 010A3.01	Pressurizer Pressure Control System (PZR PCS): PRT temperature and pressure during PORV testing: No PORV testing is performed at PBNP which causes a temperature change in the PRT: Reselected 010A3.02
RO Tier 2 / Group 1	SYS 078K5.*	Instrument Air System (IAS): No K5.* K/A with an RO Importance Rating ≥ 2.5 : Reselected 078K1.04, see explanation below (061K1.*)
RO Tier 2 / Group 1	SYS 061K1.*	Auxiliary / Emergency Feedwater (AFW) System: Was not used due to no 078K5.* K/A with an RO Importance Rating ≥ 2.5 , randomly selected the available K/As within 078 (Instrument Air) which had a K/A ≥ 2.5 , and then randomly exchanged it with an already selected K/A (i.e., 061K1.*): Reselected 061K5.05
RO Tier 2 / Group 1	SYS103K5.*	Containment System: No K5.* K/A with an RO Importance Rating ≥ 2.5 : Reselected 103K3.01, see explanation below (073K3.*)
RO Tier 2 / Group 1	SYS 073K3.*	Process Radiation (PRM) System: Was not used due to no 103K5.* K/A with an RO Importance Rating ≥ 2.5 , randomly selected the available K/As within 103 (Containment) which had a K/A ≥ 2.5 , and then exchanged it with an already selected K/A (i.e., 073K3.*): Reselected 073K5.01
RO Tier 2 / Group 1	SYS 076K4.01	Service Water System (SWS): Conditions initiating automatic closure of closed cooling water auxiliary building header supply and return valves: The Auxiliary Building at PBNP does not have header supply and return valves with an automatic closure: Reselected 076K4.06

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RO Tier 2 / Group 1	SYS 076K4.06	Service Water System (SWS): Service water train separation: Train separation is only achieved by Service Water Pump power supplies at PBNP: Reselected 076K4.02
RO Tier 2 / Group 2	SYS 029A4.04	Containment Purge System (CPS): Containment evacuation signal: Unable to construct a question with the required level of difficulty: Reselected 029A4.01
RO Tier 2 / Group 2	SYS 029A4.01	Containment Purge System (CPS): Containment purge flow rate: Purge flow rate of the Containment Purge System is not monitored: No further A4.* K/A exist with an RO Importance Rating ≥ 2.5 , selected 029A3.01 due to A3 not being sampled within Tier 2/Group2
RO Tier 2 / Group 2	SYS 041K1.02	Steam Dump System (SDS) and Turbine Bypass Control: S/G level: Unable to construct a question with the required level of difficulty: Reselected 041K1.05
SRO Tier 1 / Group 1	APE 026G2.2.4	Loss of Component Cooling Water (CCW): (multi-unit license) Ability to explain the variations in control board/control room layouts, systems, instrumentation, and procedural actions between units at a facility: No differences between the units which leveraged as a question to the requirements of an SRO level question (meeting the requirements of 10CFR55.43(b)): Reselected 026G2.2.38
SRO Tier 1 / Group 1	APE 040AA2.02	Steam Line Rupture: Conditions requiring a reactor trip: Unable to write a question to the requirements of an SRO level question (meeting the requirements of 10CFR55.43(b)): Reselected 040AA2.04
SRO Tier 1 / Group 2	APE 036G2.1.25	Fuel Handling Incidents: Ability to interpret reference materials, such as graphs, curves, tables, etc: Unable to write a question to the requirements of an SRO level question (meeting the requirements of 10CFR55.43(b)): Reselected 036G2.1.31
SRO Tier 1 / Group 2	APE 036G2.1.31	Fuel Handling Incidents: Ability to locate control room switches, controls, and indications, and to determine that they correctly reflect the desired plant lineup.: Unable to write a question to the requirements of an SRO level question (meeting the requirements of 10CFR55.43(b)): Reselected 036G2.1.23
SRO Tier 2 / Group 1	SYS 007A2.06	Pressurizer Relief Tank/Quench Tank System (PRTS): Bubble formation in PZR: Unable to write a question to the requirements of an SRO level question (meeting the requirements of 10CFR55.43(b)): Reselected 007A2.07
SRO Tier 2 / Group 1	SYS 007A2.07	Pressurizer Relief Tank/Quench Tank System (PRTS): Recirculating quench tank: There are no procedures at PBNP which accomplish this task. Unable to write a question to the requirements of an SRO level question (meeting the requirements of 10CFR55.43(b)): Reselected 007A2.01
SRO Tier 2 / Group 2	SYS 011G2.1.31	Pressurizer Level Control System (PZR LCS): Ability to locate control room switches, controls, and indications, and to determine that they correctly reflect the desired plant lineup: Unable to write a question to the requirements of an SRO level question (meeting the requirements of 10CFR55.43(b)): Reselected 011G2.1.32

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RO Tier 2 / Group 2	SYS 022G2.2.4	Containment Spray System (CSS): (multi-unit license) Ability to explain the variations in control board/control room layouts, systems, instrumentation, and procedural actions between units at a facility: Unable to write a question to meet this K/A due to no major differences between units for this system: Reselected 022G2.2.39
RO Tier 2 / Group 1	SYS 078K1.04	Instrument Air System (IAS): Cooling water to compressor: Unable to write a question to meet this K/A due only one station air compressor has cooling water supplied to it, and there is a question focused on this in the test already (SRO Tier 1/Group 1, 065A204 - Typical conditions which could cause a compressor trip (e.g., high temperature): Reselected 078K1.05
RO Tier 1 / Group 2	APE 033AA2.12	Loss of Intermediate Range Nuclear Instrumentation: Ability to determine and interpret the following as they apply to the Loss of Intermediate Range Nuclear Instrumentation: Maximum allowable channel disagreement.: Submitted question was determined to not be discriminatorily valid. Unable to write a replacement question that meets this KA and that has discrimination validity. Discussed with Chief Examiner and obtained approval to redraw: Reselected 033AA2.01